Stamler, Jonathan S. et al., "S-Nitrosylation of Proteins with Nitric Oxide: Synthesis and Characterization of Biologically Active Compounds," Proc. Natl. Acad. Sci. USA, 89:444-448 (1992).

Langford, E.J. et al., "Inhibition of Platelet Activity by S-Nitrosoglutathione During Coronary Angioplasty," The Lancet, 344:1458-1460 (1994).

Simon, Daniel I. et al., "Polynitrosylated Proteins: Characterization, Bioactivity, and Functional Consequences," Proc. Natl. Acad. Sci. USA, 93:4736-4741 (1996).

EXAMINER R cerso DATE CONSIDERED
2/23 249

Characterize the Stability of Nitric Oxide in Aqueous Solutions and in Porcine Aortic Endothelial Cell Suspensions, " Anal. Biochem., 191(1):138-143 (1990). DATE CONSIDERED EXAMINER 2/23/99

B. Ceisa

DOC. I	D NO.:	DUK9702M.14	AE31			Sheet 3 of	7	
FORM PTO-1449 (REV. 7-80)			ATTY. DOCKET NO. DUK97-02M	SERIAL NO. 08/874,992				
INFORMATION DISCLOSURE CITATION IN AN APPLICATION				APPLICANT Jonathan S. Stamler et al.				
(Use several cheets if necessary)  MAY 0 4 1999 0			filing date June 12, 1997	GROUP <del>1614</del>   654				
	<u>خ</u>	ž)	U.S	S. PATENT DOCUMENTS				
EXAM- INER INI- TIAL	TRADEMAR	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DA	
MI	AG2	4,018,562	04-19-77	Parks et al.	23	230 PC	10-24	-75
Ĺſ	AH2	4,193,963	03-18-80	Bruening et al.	422	52	06-06	-77
	AI2	4,657,744	04-14-87	Howard	422	52	07-02	-85
	AJ2	4,368,262	01-11-83	Bucovaz et al.	435	23	03-23	-81
	AK2	5,151,369	09-29-92	Lewis et al.	436	67	05-14	-90
	AA3	5,258,311	11-02-93	Lewis et al.	436	63	03-30	-92
	AB3	4,301,114	11-17-81	Rounbehler et al.	422	52	06-30	-80
	AC3	4,822,564	04-18-89	Howard	422	52	02-06	-87
	AD3	4,193,963	03-18-80	Bruening et al.	422	52	06-06	-77
	AE3	4,236,895	12-02-80	Stahl	23	232 R	06-11	-79
	AF3	3,967,933	07-06-76	Etess et al.	23	232 E	05-23	-74
	AG3	3,973,910	08-10-76	Fine	23	230 PC	02-05	-73
	АН3	4,006,411	01-03-78	Fine et al.	23	253 PC	01-19	-77
	AI3	3,996,008	12-07-76	Fine et al.	23	254 R	09-17	-75
Pil.	АЈ3	5,366,900	11-22-94	Conboy et al.	436	107	01-28	-93
			FORE	IGN PATENT DOCUMENTS		_		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA YES	ATION NO
	AL							
	AM							
	AN							
<u> </u>	AO							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
Ac	Olsen, Stephen B. et al., "Enhancement of Platelet Deposition by Cross-Linked Hemoglobin in a Rat Carotid Endarterectomy Model," Circulation, 93(2):327-332 (1996).					_		
IJl	AZ	Charache, S. et al., "Evaluation of Extracorporeal Alkylation of Red Cells as a Potential Treatment for Sickle Cell Anemia," Blood, 47(3):481-488 (1976).						
EXAMINER			DATE CONSIDERED					
	B.c	ersa		2/23/99				

FORM PTO-1449 (REV. 7-80)			ATTY. DOCKET NO. DUK97-02M	SERIAL NO. 08/874,992	
INFORMATION DISCLOSURE CITATION  IN AN APPLICATION			APPLICANT Jonathan S. Stamler et al.		
(Use several Sheets if necessary)  MAY 0 4 1998 O			FILING DATE June 12, 1997	GROUP 1614 1654	
	圍	OTHER DOCUMENTS (Including	Author, Title, Date, Pertine	ent Pages, Etc.)	
H	AR PAOF	Biochem. Biophys. Res	"Anti-Sickling Activity of Nitrosoureas," s. Comm. 54(3):1024-1029 (1973).		
	AS2	Clancy, Robert M. al., "Nitric Oxide Reacts with Intracellular Glutathione and Activates the Hexose Monophosphate Shunt in Human Neutrophils: Evidence for S-Nitrosoglutathione as a Bioactive Intermediary," Proc. Natl. Acad. Sci. USA, 91:3680-3684 (1994).			
	AT2	Stamler, Jonathan S., "Redox Signaling: Nitrosylation and Related Target Interactions of Nitric Oxide," <i>Cell</i> , 78:931-936 (1994).			
	AU2	Arnelle, Derrick R. and Stamler, Jonathan S., "NO <sup>+</sup> , NO <sup>-</sup> , and NO <sup>-</sup> Donation by S-Nitrosothiols: Implications for Regulation of Physiological Functions by S-Nitrosylation and Acceleration of Disulfide Formation," Archives of Biochemistry and Biophysics, 318(2):279-285 (1995).			
	AV2	Kondo, T. et al., "Thiol Transport from Human Red Blood Cells,"  Methods in Enzymology, 252:72-82 (1995).			
	AW2	Jia, Li et al., "S-Nitrosohaemoglobin: A Dynamic Activity of Blood Involved in Vascular Control," <i>Nature</i> , 380:221-226 (1996).			
	AX2	Ignarro, Louis J. et al., "Mechanism of Vascular Smooth Muscle Relaxation by Organic Nitrates, Nitrites, Nitroprusside and Nitric Oxide: Evidence for the Involvement of S-Nitrosothiols as Active Intermediates," The Journal of Pharmacology and Experimental Therapeutics, 218(3):739-749 (1981).			
	AY2	Ribeiro, José M.C. et al., "Reversible Binding of Nitric Oxide by a Salivary Heme Protein from a Bloodsucking Insect," Science, 260: 539-541 (1993).			
	AZ2	Simon, Daniel I. et al., "Effect of Nitric Oxide Synthase Inhibition on Bleeding Time in Humans," Journal of Cardivascular Pharmacology, 26:339-342 (1995).			
M	Radomski, Marek W. et al., "S-Nitroso-Glutathione Inhibits Platelet Activation In Vitro and In Vivo," Br. J. Pharmacol., 107:745-749 (1992).				
B. C. E. SA 2/23 lag					

Sheet 5 of 7				
FORM PTO-1449 (REV. 7-80)	DISCLOSURE CITATION	ATTY. DOCKET NO. DUK97-02M	serial no. 08/874,992	
1000	PLICATION  eral theets if necessary)	APPLICANT Jonathan S. Stamler et al.		
MAY 0 4 1	998 C	FILING DATE June 12, 1997	GROUP 1614 1654	
,	OTHER DOCUMENTS (Including A	Author, Title, Date, Pertine	ent Pages, Etc.)	
ASSEMAN	Oxide Between a Plasm	n S. et al., "In Vivo Transfer of Nitric ma Protein-Bound Reservoir and Low Molecular lin. Invest., 94:1432-1439 (1994).		
AT3	Kosaka, H. et al., "ESR Spectral Transition by Arteriovenous Cycle in Nitric Oxide Hemoglobin of Cytokine-Treated Rats," Am. J. Physiol., 266(5):1400-1405 (1994).			
AU3	Kruszyna, R. et al., "Generation of Valency Hybrids and Nitrosylated Species of Hemoglobin in Mice by Nitric Oxide Vasodilators," Toxicol. Appl. Pharmacol., 94(3):458-465 (1988).			
AV3	Freedman, Jane E. et al., "Glutathione Peroxidase Potentiates th Inhibition of Platelet Function by S-Nitrosothiols," J. Clin. Invest., 96:394-400 (1995).			
EWA	Feelisch, M. and Stamler, J.S., "Donors of Nitrogen Oxides," Methods In Nitric Oxide Research, John Wiley & Sons Ltd. (1996).			
AX3	Stamler, J.S. and Feelisch, M., "Preparation and Detection of S-Nitrosothiols," <i>Methods In Nitric Oxide Research</i> , John Wiley & Sons Ltd. (1996).			
AY3	Sprokholt, R., et al., "Quality Control Material Containing Hemoglobin for Blood Gas and pH Measurement: Improvement of the Stability of Stroma-Free Hemoglobin Solution," Scand. J. Clin. Lab. Invest., 47(188):83-92 (1987).			
MA AZ3	Greenburg, A.G and Kim, H.W., "Nitrosyl Hemoglobin Formation In Vivo After Intravenous Administration of a Hemoglobin-Based Oxygen Carrier in Endotoxemic Rats," Artif. Cells, Blood Substitutes, Immobilization Biotechnol., 23(3):271-276 (1995).			
AR4	Stamler, Jonathan S., et al., "Nitric Oxide Circulates in Mammalian Plasma Primarily as an S-Nitroso Adduct of Serum Albumin," <i>Proc. Natl. Acad. Sci. USA</i> , 89:7674-7677 (1992).			
AS4	Gaston, Benjamin, et al., "Endogenous Nitrogen Oxides and Bronchodilator S-Nitrosothiols in Human Airways," Proc. Natl. Acad. Sci. USA, 90:10957-10961 (1993).			
AT4	Sonoda, Masaru et al., "Diazotization Reaction of Nitric Oxide Trapped by Hemoglobin," Life Sciences, 55(11):199-204 (1994).			
EXAMINER		DATE CONSIDERED		
B Cer	SA	2/23/99		

FORM PTO-1449 (REV. 7-80)		ATTY. DOCKET NO. DUK97-02M	SERIAL NO. 08/874,992		
·	TION DISCLOSURE CITATION N AN APPLICATION	APPLICANT Jonathan S. Stamler et al.			
MAY n	several sheets if necessary)	FILING DATE June 12, 1997	GROUP 1614 (6 5 4		
PARTE	OTHER DOCUMENTS (Including	Author, Title, Date, Pertinent Pages, Etc.)			
A HADEMA	Method, " Methods in Enzymology, 233:240-249 (1994).				
AV4		Saville, B., "A Scheme for the Colorimetric Determination of Microgram Amounts of Thiols," <i>Analyst</i> 83:670-672 (1958).			
AW4	from Nitrosylhemoglob	Sharma, Vijay S. and Ranney, Helen M., "The Dissociation of NO from Nitrosylhemoglobin," <i>The Journal of Biological Chemistry</i> , 253(18):6467-6472 (1978).			
AX4	Dissociation of Nitri	Moore, Edwin G. and Gibson, Quentin H., "Cooperativity in the Dissociation of Nitric Oxide from Hemoglobin," The Journal of Biological Chemistry, 251(9):2788-2794 (1976).			
AY4	Heme Proteins Using U Research, pages 39-45	Khartitonov, V.G., et al., "Interactions of Nitric Oxide with Heme Proteins Using UV-VIS Spectroscopy," Methods in Nitric Oxide Research, pages 39-45, Edited by Martin Feelisch and Jonathan S. Stamler, John Wiley & Sons Ltd. (1996).			
AZ4	Nitric Oxide to Hemog	Taketa, Fumito, et al., "Chain Nonequivalence in Binding of Nitric Oxide to Hemoglobin," The Journal of Biological Chemistry, 253(15):5448-5451 (1978).			
AR5	Binding to Hemoglobin	Henry, Y. and Cassoly, R., "Chain Non-Equivalence in Nitric Oxide Binding to Hemoglobin," <i>Biochemical and Biophysical Research</i> Communications, 51(3):659-665 (1973).			
AS5	Oxide (NO) in Healthy	Wennmalm, Å., et al., "Dependence of the Metabolism of Nitric Oxide (NO) in Healthy Human Whole Blood on the Oxygenation of Its Red Cell Haemoglobin," Br. Journal Pharmacol., 106:507-508 (1992).			
AT5	Hille, Russ, et al., "Spectral Transitions of Nitrosyl Hemes During Ligand Binding to Hemoglobin," The Journal of Biological Chemistry, 254(23):12110-12120 (1979).				
AU5		Cassoly, R. and Gibson, Q.H., "Conformation, Co-Operativity and Ligand Binding in Human Hemoglobin," J. Mol. Biol., 91:301-313 (1975).			
AV5	Patients Receiving Ni Paramagnetic Resonanc	Cantilena, Louis R., Jr., et al., "Nitric Oxide Hemoglobin in Patients Receiving Nitroglycerin as Detected by Electron Paramagnetic Resonance Spectroscopy," J. Lab. Clin. Med., 120(6):902-907 (1992).			
M AWS	Salhany, J.M, et al., "Correlations Between Quaternary Structure and Ligand Dissociation Kinetics for Fully Liganded Hemoglobin," Biochemistry, 14(10):2180-2190 (1975).				
EXAMINER	B. Ctis A	DATE CONSIDERED 2/23/99			

DUR9702M.149	CAESI		Sheet / OI /	
FORM PTO-1449 (REV. 7-80)	DISCLOSURE CITATION	ATTY. DOCKET NO. DUK97-02M	SERIAL NO. 08/874,992	
IN AN A	OTEN	APPLICANT Jonathan S. Stamler et al.		
(Use set	MAY 0 4 1998	FILING DATE June 12, 1997	GROUP 1614   L T Y	
	ETHER DOCUMENTS (Including A	Author, Title, Date, Pertine	ent Pages, Etc.)	
AX5 RATE AND Harriet, et al., "Red Blood Cells Gener From Directly Acting, Nitrogenous Vasodilators,"  Applied Pharmacology, 91:429-438 (1987).			Generate Nitric Oxide	
AY5	Wade, Ruth S. and Castro, C.E., "Redox Reactivity of Iron(III) Porphyrins and Heme Proteins with Nitric Oxide: Nitrosyl Transfer to Carbon, Oxygen, Nitrogen and Sulfur," Chem. Res. Toxicol., 3(4):289-291 (1990).			
AZ5	Addison, Anthony W. and Stephanos, Joseph J., "Nitrosyliron(III) Hemoglobin: Autoreduction and Spectroscopy," <i>Biochemistry</i> 25(14):4104-4113 (1986).			
AR6	Perutz, Max F., et al., "Influence of Globin Structures on the State of the Heme: Ferrous Low Spin Derivatives," Biochemistry, 15(2):378-387 (1976).			
AS6	John, Maliyakal E. and Waterman, Michael R., "Structural Basis for the Conformational States of Nitrosyl Hemoglobins M Saskatoon and M Milwaukee," The Journal of Biological Chemistry, 255(10):4501-4506 (1980).			
AT6	Trittelvitz, Eberhard and Gersonde, Klaus, "Electron-Spin Resonance of Nitrosyl Haemoglobins: Normal $\alpha$ and $\beta$ Chains and Mutants Hb M Iwate and Hb Zürich," Eur. J. Biochem., 51:33-42 (1975).			
AU6	Lancaster, Jack R., Jr., "Simulation of the Diffusion and Reaction of Endogenously Produced Nitric Oxide," <i>Proc. Natl. Acad. Sci. USA</i> , 91:8137-8141 (1994).			
AV6	Butler, Anthony R., et al., "NO, Nitrosonium Ions, Nitroxide Ions, Nitrosothiols and Iron-Nitrosyls in Biology: A Chemist's Perspective," TiPS, 16:18-22 (1995).			
MC AW6	Kumura, Eiji et al., "Nitrosyl Hemoglobin Production During Reperfusion After Focal Cerebral Ischemia in Rats," Neuroscience Letters, 177:165-167 (1994).			
MC PAX6	Shiga, Takeshi et al., "Electron Paramagnetic Resonance Studies of Nitric Oxide Hemoglobin Derivatives: I. Human Hemoglobin Subunits," Biochemistry, 8:378-383 (1969).			
MC AY6	Garel, Marie Claude et al., "Binding of 21 Thiol Reagents to Human Hemoglobin in Solution and in Intact Cells," Eur. J. Biochem., 123:513-519 (1982).			
40 PAZE	Garel, Marie-Claude et al., "Covalent Binding of Glutathione to Hemoglobin: I. Inhibition of Hemoglobin S Polymerization," The Journal of Biological Chemistry, 261(31):14704-14709 (1986).			
EXAMINER		DATE CONSIDERED		
B, C. C.	s A	2/23/49		